

IN THE CLAIMS:

Please AMEND claims 53-104; and

Please ADD claim 105 as shown below.

Claims 1-52. (Cancelled).

53. (Currently Amended) ~~Method~~ A method, comprising:

~~of adjusting mobility management in a mobile communication network, said~~
~~mobile communication network comprising;~~

tracking by a mobility control unit adapted to track location of communication
units communicating in said mobile communication network; ~~and~~

~~to controlling~~ by the mobility control unit the mobility management for said
communication units;

~~said method comprising the steps of~~
providing said mobility control unit with mobility information related to a
communication unit;

evaluating the degree of mobility of said communication unit from said mobility
information related to said communication unit; and,

when said ~~step of~~ evaluating indicates the immobility of said communication unit,
adjusting, by said mobility control unit, values of timer elements of said communication
unit and said mobility control unit to a maximum timer value or a timer value being

higher than a default timer value of said mobile communication network, said timer elements defining a time period of a ready state of said communication unit ~~and/or a time period for performing a location update for said communication unit.~~

54. (Currently Amended) ~~Method~~ The method according to claim 53, ~~wherein~~ further comprising:

configuring said mobility information related to said communication unit to includes a specific information element indicating a periodic update timer value and/or predefined mobility management parameter for mobility management elements of said communication unit and/or said mobility control unit, said periodic update timer value and/or predefined mobility management parameter being detected in said evaluating ~~step.~~

55. (Currently Amended) ~~The method~~ The method according to claim 53, ~~wherein~~ further comprising:

configuring said mobility information related to said communication unit to includes previous location information and current location information of said communication unit, said previous location information and current location information being compared in said evaluating ~~step~~ to determine whether they are equal.

56. (Currently Amended) ~~The method~~ The method according to claim 53, wherein said adjusting ~~step~~ comprises a ~~step (S80)~~ of setting said timer elements of said

communication unit and/or said mobility control unit to predefined changed periodic update timer values and/or predefined changed mobility management parameters.

57. (Currently Amended) The method ~~Method~~ according to claim 53, further comprising:

~~a step of~~ disabling a function of the mobile communication network which is used to force a modification of an operation state of the communication unit.

58. (Currently Amended) The method ~~Method~~ according to claim 53, ~~wherein~~ further comprising:

employing said communication unit ~~is employed in~~ a static device used for at least one of a M2M-machine-to-machine application, a mobile-to-machine application, or a machine-to-mobile application.

59. (Currently Amended) The method ~~Method~~ according to claim 53, ~~wherein~~ further comprising:

including said mobility control unit ~~is included in~~ a core network control unit of the mobile communication network.

60. (Currently Amended) The method ~~Method~~ according to claim 53, ~~wherein~~ further comprising:

providing, by said communication unit, said mobility information related to said communication unit ~~is provided from said communication unit.~~

61. (Currently Amended) The method ~~Method~~ according to claim 53, wherein further comprising:

providing said mobility information related to said communication unit ~~is provided~~ from a core network control unit of the mobile communication network.

62. (Currently Amended) The method ~~Method~~ according to claim 60, wherein the providing said mobility information includes providing a request for setting at least one timer element to a maximum value.

63. (Currently Amended) The method ~~Method~~ according to claim 60, wherein the providing said mobility information includes providing a request for deactivating at least one timer element.

64. (Currently Amended) The method ~~Method~~ according to claim 53, ~~wherein~~ further comprising:
setting the timer elements to maximum settable values in said adjusting ~~step of the~~ timer elements ~~are set to maximum settable values.~~

65. (Currently Amended) The method ~~Method~~ according to claim 53,
~~wherein~~ further comprising:
deactivating the timer elements in said adjusting ~~of step~~ the timer elements ~~are~~
~~deactivated.~~

66. (Currently Amended) The method ~~Method~~ according to claim 53, ~~wherein in~~
~~said adjusting step the timer elements are set~~ further comprising:
setting, in the adjusting of the timer elements, the timer elements to values which
are incremented by a predetermined amount in comparison to the values set before.

67. (Currently Amended) An apparatus, configured to:
act as a ~~Mobility~~ mobility control unit in a mobile communication network_i; ~~said~~
~~mobility control unit being adapted to~~
track location of communication units communicating in said mobile
communication network_i; ~~and to~~
control the mobility management for said communication units_i;
~~said mobility control unit comprising~~
~~means adapted to receive mobility information related to a communication unit_i;~~
~~means adapted to evaluate the degree of mobility of said communication unit from~~
said mobility information related to said communication unit_i and

~~means adapted to adjust, when said means adapted to evaluate~~ evaluation indicates the immobility of said communication unit, values of timer elements of said communication unit and said mobility control unit to a maximum timer value or a timer value being higher than a default timer value of said mobile communication network, said timer elements defining a time period of a ready state of said communication unit ~~and/or a time period for performing a location update for said communication unit.~~

68. (Currently Amended) The apparatus ~~Mobility control unit~~ according to claim 67, wherein said received mobility information related to said communication unit includes a specific information element indicating a periodic update timer value and/or predefined mobility management parameter for mobility management elements of said communication unit and/or said mobility control unit, wherein said mobility control unit configured ~~means adapted to evaluate the degree of mobility of said communication unit~~ is configured to detects said periodic update timer value and/or predefined mobility management parameter.

69. (Currently Amended) The apparatus ~~Mobility control unit~~ according to claim 67, wherein said received mobility information related to said communication unit includes previous location information and current location information of said communication unit, wherein said mobility control unit ~~means adapted~~ configured to evaluate the degree of mobility of said communication unit is configured to compares

said previous location information and current location information to determine whether they are equal.

70. (Currently Amended) The apparatus ~~Mobility control unit~~ according to claim 67, wherein said ~~further means adapted~~ configured to:

adjust said timer elements to sets said timer elements of said communication unit and/or said mobility control unit to predefined changed periodic update timer values and/or predefined changed mobility management parameters.

71. (Currently Amended) The apparatus ~~Mobility control unit~~ according to claim 67, wherein said ~~mobility control unit is further adapted~~ configured to:

disable a function of the mobile communication network which is used to force a modification of an operation state of the communication unit.

72. (Currently Amended) The apparatus ~~Mobility control unit~~ according to claim 67, wherein said communication unit is configured to be employed in a static device used for at least one of a machine-to-machine application, a mobile-to-machine application, or a machine-to-mobile application ~~M2M application~~.

73. (Currently Amended) The apparatus ~~Mobility control unit~~ according to claim 67, wherein said mobility control unit is included in a core network control unit of the mobile communication network.

74. (Currently Amended) ~~Mobility control~~ The apparatus ~~unit~~ according to claim 67, wherein said mobility information related to said communication unit is configured to be received from said communication unit.

75. (Currently Amended) The apparatus ~~Mobility control unit~~ according to claim 67, wherein said mobility information related to said communication unit is configured to be provided from a core network control unit of the mobile communication network.

76. (Currently Amended) The apparatus ~~Mobility control unit~~ according to claim 74, wherein said mobility information includes a request for setting at least one timer element to a maximum value.

77. (Currently Amended) The apparatus ~~Mobility control unit~~ according to claim 74, wherein said mobility information includes a request for deactivating at least one timer element.

78. (Currently Amended) ~~The apparatus~~ Mobility control unit according to claim 67, ~~wherein said~~ further configured to:

~~means adapted to adjust the timer elements~~ to sets the timer elements to maximum setable values.

79. (Currently Amended) ~~Mobility control unit~~ The apparatus according to claim 67, ~~wherein said~~ further means adapted configured to:

adjust the timer elements to deactivates the timer elements.

80. (Currently Amended) ~~Mobility control unit~~ The apparatus according to claim 67, ~~wherein said~~ further means adapted configured to:

adjust the timer elements is configured to sets the timer elements to values which are incremented by a predetermined amount in comparison to the values set before.

81. (Currently Amended) An apparatus, configured to:

act as a c~~ommunication unit configured to be~~ used in connection with a mobile communication network, ~~said mobile communication network~~ comprising a mobility control unit ~~adapted~~ configured to track location of communication units communicating in said mobile communication network and to control the mobility management for said communication units;

~~said communication unit is adapted~~

~~to~~ send mobility information related to said communication unit, said mobility information being usable by said mobility control unit to evaluate the degree of mobility of said communication unit, ~~and~~

~~to~~ set values of timer elements of said communication unit to a maximum timer value or a timer value being higher than a default timer value of said mobile communication network, said timer elements defining a time period of a ready state of said communication unit ~~and/or a time period for performing a location update for said communication unit~~, on the basis of predefined changed periodic update timer values and/or predefined changed mobility management parameters received from said mobility control unit in response to the sending of said mobility information.

82. (Currently Amended) The apparatus ~~Communication unit~~ according to claim 81, wherein said mobility information related to said communication unit includes a specific information element indicating a periodic update timer value and/or predefined mobility management parameter for mobility management elements of said communication unit and/or said mobility control unit.

83. (Currently Amended) ~~Communication unit~~ The apparatus according to claim 81, wherein said communication unit is configured to be employed in a static device used for at least one of a machine-to-machine application, a mobile-to-machine application, or a machine-to-mobile application ~~M2M application~~.

84. (Currently Amended) ~~Communication unit~~ The apparatus according to claim 81, wherein said mobility information includes a request for setting at least one timer element to a maximum value.

85. (Currently Amended) ~~Communication unit~~ The apparatus according to claim 81, wherein said mobility information includes a request for deactivating at least one timer element.

86. (Currently Amended) ~~Mobility~~ A mobility management adjustment system,
~~comprising used in a mobile communication network, said mobility management~~
~~adjustment system comprises:~~

a communication unit; and

a mobility control unit, said mobility control unit being ~~adapted~~ configured to
track location of communication units communicating in said a mobile
communication network, and to

control the mobility management for said communication units,

~~said mobility control unit comprising~~

~~means adapted to receive mobility information related to a communication~~
unit,

~~means adapted to evaluate the degree of mobility of said communication unit from said mobility information related to said communication unit, and~~

~~means adapted to adjust, when said means adapted to evaluate indicates the immobility of said communication unit, values of timer elements of said communication unit and said mobility control unit to a maximum timer value or a timer value being higher than a default timer value of said mobile communication network, said timer elements defining a time period of a ready state of said communication unit and/or a time period for performing a location update for said communication unit.~~

87. (Currently Amended) The mobility ~~Mobility~~-management adjustment system according to claim 86, wherein said received mobility information related to said communication unit includes a specific information element indicating a periodic update timer value and/or predefined mobility management parameter for mobility management elements of said communication unit and/or said mobility control unit, wherein said mobility control unit ~~means adapted configured~~ to evaluate the degree of mobility of said communication unit is configured to detects said periodic update timer value and/or predefined mobility management parameter.

88. (Currently Amended) The mobility ~~Mobility~~-management adjustment system according to claim 86, wherein said received mobility information related to said communication unit includes previous location information and current location

information of said communication unit, wherein said mobility control unit ~~means~~
~~adapted-configured~~ to evaluate the degree of mobility of said communication unit is
configured to compares said previous location information and current location
information to determine whether they are equal.

89. (Currently Amended) The mobility ~~Mobility~~-management adjustment system
according to claim 86, wherein said mobility control unit ~~means~~ ~~adapted-configured~~ to
adjust said timer elements sets said timer elements of said communication unit and/or
said mobility control unit to predefined changed periodic update timer values and/or
predefined changed mobility management parameters.

90. (Currently Amended) The mobility ~~Mobility~~-management adjustment system
according to claim 86, wherein said mobility control unit is further ~~adapted-configured~~ to
disable a function of the mobile communication network which is used to force a
modification of an operation state of the communication unit.

91. (Currently Amended) The mobility ~~Mobility~~-management adjustment system
according to claim 86, wherein said communication unit is employed in a static device
used for at least one of a machine-to-machine application, a mobile-to-machine
application, or a machine-to-mobile application ~~M2M application~~.

92. (Currently Amended) The mobility ~~Mobility~~-management adjustment system according to claim 86, wherein said mobility control unit is included in a core network control unit of the mobile communication network.

93. (Currently Amended) The mobility ~~Mobility~~-management adjustment system according to claim 86, wherein said mobility information related to said communication unit is received from said communication unit.

94. (Currently Amended) The mobility ~~Mobility~~-management adjustment system according to claim 86, wherein said mobility information related to said communication unit is provided from a core network control unit of the mobile communication network.

95. (Currently Amended) The mobility ~~Mobility~~-management adjustment system according to claim 93, wherein said mobility information includes a request for setting at least one timer element to a maximum value.

96. (Currently Amended) The mobility ~~Mobility~~-management adjustment system according to claim 93, wherein said mobility information includes a request for deactivating at least one timer element.

97. (Currently Amended) The mobility ~~Mobility~~-management adjustment system according to claim 86, wherein said mobility control unit is configured ~~means adapted~~ to adjust the timer elements to sets the timer elements to maximum setable values.

98. (Currently Amended) The mobility ~~Mobility~~-management adjustment system according to claim 86, wherein said mobility control unit is ~~means adapted~~ configured to adjust the timer elements to deactivates the timer elements.

99. (Currently Amended) The mobility ~~Mobility~~-control unit according to claim 86, wherein said mobility control unit is ~~means adapted~~ configured to adjust the timer elements to sets the timer elements to values which are incremented by a predetermined amount in comparison to the values set before.

100. (Currently Amended) The mobility ~~Mobility~~-management adjustment system according to claim 86, wherein said communication unit is ~~adapted~~ configured

to send mobility information related to said communication unit, said mobility information being usable by said mobility control unit to evaluate the degree of mobility of said communication unit, and

to set values of timer elements of said communication unit to a maximum timer value or a timer value being higher than a default timer value of said mobile communication network, said timer elements defining a time period of a ready state of

said communication unit ~~and/or a time period for performing a location update for said communication unit~~, on the basis of predefined changed periodic update timer values and/or predefined changed mobility management parameters received from said mobility control unit in response to the sending of said mobility information.

101. (Currently Amended) The mobility ~~Mobility~~-management adjustment system according to claim 100, wherein said mobility information related to said communication unit includes a specific information element indicating a periodic update timer value and/or predefined mobility management parameter for mobility management elements of said communication unit and/or said mobility control unit.

102. (Currently Amended) The mobility ~~Mobility~~-management adjustment system according to claim 100, said communication unit is employed in a static device used for at least one of a machine-to-machine application, a mobile-to-machine application, or a machine-to-mobile application ~~M2M application~~.

103. (Currently Amended) The mobility ~~Mobility~~-management adjustment system according to claim 100, wherein said mobility information includes a request for setting at least one timer element to a maximum value.

104. (Currently Amended) The mobility ~~Mobility~~-management adjustment system according to claim 100, wherein said mobility information includes a request for deactivating at least one timer element.

105. (New) An apparatus, comprising:

a mobility control unit in a mobile communication network, said mobility control unit being configured to track location of communication units communicating in said mobile communication network and to control the mobility management for said communication units,

said mobility control unit comprising

means adapted to receive mobility information related to a communication unit,

means adapted to evaluate the degree of mobility of said communication unit from said mobility information related to said communication unit, and

means adapted to adjust, when said means adapted to evaluate indicates the immobility of said communication unit, values of timer elements of said communication unit and said mobility control unit to a maximum timer value or a timer value being higher than a default timer value of said mobile communication network, said timer elements defining a time period of a ready state of said communication unit.